

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



533250

(43) International Publication Date
13 May 2004 (13.05.2004)

PCT

(10) International Publication Number
WO 2004/040847 A1

(51) International Patent Classification⁷: **H04L 12/26,**
G06F 17/50

(21) International Application Number:
PCT/IB2002/004512

(22) International Filing Date: 30 October 2002 (30.10.2002)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant (for all designated States except US): **NOKIA CORPORATION** [FI/FI]; Keilalahdentie 4, FIN-02150 Espoo (FI).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **RANTAPUSKA, Olli** [FI/FI]; Jämeräntäival 11 A 20, FIN-02150 Espoo (FI).

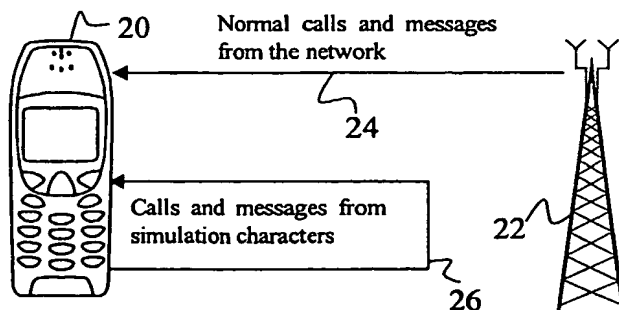
(74) Agent: **KURIG, Thomas**; Becker, Kurig, Straus, Bavariastrasse 7, D-80336 München (DE).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD AND DEVICE FOR SIMULATING A COMMUNICATION ON A TERMINAL DEVICE



(57) Abstract: The present invention relates to a method and a device (20) in a network environment having the capability to exchange data (24) via said communication network (22) and for simulating a communication (26) by generating messages with a minimized use of the communication network. The simulation of the communication is to be done on a (mobile) terminal device (20) of a communication network (22), and comprises the detection of an initiation event in said terminal device. Following to said detection the properties of said initiation event are determined, and a simulated message related to said determined properties is generated. Wherein said simulated message is generated from data stored in said storage. Finally, said

simulated message is presented (26) via a communication functionality of said communication device. The normal communication path (24) of the communication device (20) is not restricted by the simulation.

WO 2004/040847 A1

INTERNATIONAL SEARCH REPORT

Rec'd PCT/ISA 29 APR 2005

International application No.

PCT/IS 02/04512

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: H04L 12/26, G06F 17/50

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6308072 B1 (GERALD PAUL LABEDZ ET AL), 23 October 2001 (23.10.01), abstract, column 2, line 44 - column 4, line 65, figures 1-8 --	1,9-13,16
X	US 5794128 A (KENNETH H. BROCKEL ET AL), 11 August 1998 (11.08.98), abstract, column 3, line 65 column 5, line 35 --	1,9-13,16
X	US 6408335 B1 (PETER JAMES SCHWALLER ET AL), 18 June 2002 (18.06.02), abstract, column 5, lines 13-45, column 7, line 50 - column 8, line 28, figures 1-10 --	1,9-13,16

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "B" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

05 June 2003

Date of mailing of the international search report

05 -06- 2003

Name and mailing address of the ISA/
Swedish Patent Office
Box 5055, S-102 42 STOCKHOLM
Facsimile No. +46 8 666 02 86

Authorized officer

Behroz Moradi/Eö
Telephone No. +46 8 782 25 00

CORRECTED

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/IB 02/04512

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 01017301 A1 (QUALCOMM INCORPORATED), 8 March 2001 (08.03.01), abstract, page 2, line 16 - page 8, line 5 --	2-8,14-15
Y	US 6134514 A (YU-JIH LIU ET AL), 17 October 2000 (17.10.00), abstract, column 2, line 60 - column 3, line 10 --	2-8,14-15
Y	WO 9952314 A1 (QUALCOMM INCORPORATED), 14 October 1999 (14.10.99), abstract, page 2, line 10 - page 3, line 32 -----	2-8,14-15

INTERNATIONAL SEARCH REPORT

29/03/03

International application No.

PCT/IB 02/04512

Patent document cited in search report			Publication date	Patent family member(s)		Publication date
US	6308072	B1	23/10/01	BR	9702182 A	16/03/99
				CA	2223753 A	06/11/97
				CN	1087533 B	10/07/02
				CN	1189944 A	05/08/98
				EP	0861533 A	02/09/98
				JP	11509074 T	03/08/99
				WO	9741652 A	06/11/97

US	5794128	A	11/08/98	NONE		

US	6408335	B1	18/06/02	US	5838919 A	17/11/98

WO	01017301	A1	08/03/01	NONE		

US	6134514	A	17/10/00	NONE		

WO	9952314	A1	14/10/99	AU	3380599 A	25/10/99
